

COMMUNITY WATER SUPPLY & WASTEWATER TREATMENT ASSET PROTECTION PLANS

Corrosion Illinois Network asset protection plans put you in command where the protection of vital community water supply and wastewater treatment infrastructure is concerned. Our asset protection services include a thorough on-site evaluation of all water supply and wastewater treatment assets performed by experienced engineers, together with a ten-year plan for addressing maintenance and repairs. Services include the following:

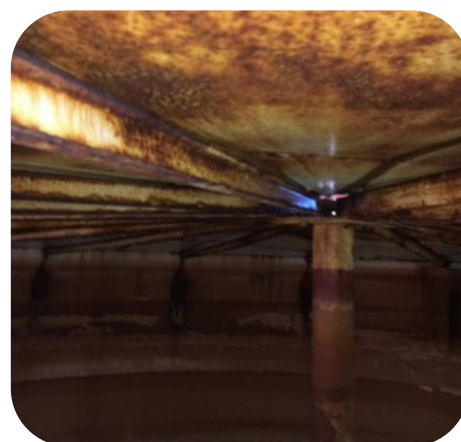
Condition Assessment

Performed by NACE Level 3 Inspectors and SSPC Protective Coating Specialists.

Water Towers, Tanks, and Treatment Facilities

- Evaluate existing coating systems and components to determine condition and compliance with IEPA, AWWA, EPA, OSHA, and NFPA requirements.
 - Document the location and level of any corrosion or defects observed.
 - Provide photo documentation as needed.
 - Perform visual and aerial drone evaluation of exterior elements.
 - Utilize in-service ROV (remotely operated vehicle) for interior wet evaluation.*
- Document the condition of
 - Access hatches and doors
 - Vent system
 - Overflow system components
 - Safety systems
 - Ladders
 - Foundation and base plate, including grout
 - Seams and welds
 - Lower tank access manway
 - Roof plates, rafters, supports, and structural components
 - Steel tank shell
 - Cathodic protection system condition (if applicable)
 - Piping (process/treatment)
 - Treatment equipment and tanks
 - Chemical storage tanks

* Water storage tanks will have an interior wet inspection performed by state-of-the-art ROV's utilizing high resolution cameras for video and still photos.



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Wastewater Treatment Plants & Lift Stations

- Evaluate the existing coating system and components to determine current condition.
 - Document the location and level of any corrosion or defects observed.
 - Provide photo documentation of corrosion and coating condition.
- Document the condition of
 - Clarifiers and covers (as applicable)
 - Digester and cover (as applicable)
 - Process piping
 - Electrical conduit
 - Process treatment equipment
 - Lift station wet well (concrete and/or steel)
 - Pumping equipment
 - Treatment tankage and chambers (concrete and/or steel)



Report Preparation

A report will be prepared documenting the findings of all evaluations performed. The report will contain narrative descriptions of the areas evaluated for all assets and descriptions of current conditions together with photo documentation. Recommendations for corrosion removal methods and coating rehabilitation will be provided, along with budget pricing.

A project priority list will be included based on the severity of corrosion and coating condition. The project priority list will include proposed fiscal years for project completion, budget cost projections based on similar projects, and potential funding sources (i.e., normal budgeting, grants, loans, or maintenance contracts). Also included in the project priority list will be a preventive maintenance inspection schedule for each asset. This schedule will provide for regular asset inspection and coating maintenance to prolong the coating system life, thereby extending the life of the asset/infrastructure.



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